ANNUAL REPORT

1982 - 1983

Manitoba Health Research Council

Room S107 — 750 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3

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MEMBERS OF THE MANITOBA HEALTH RESEARCH COUNCIL

(as of July 1983)

Dr. Lyonel G. Israels*, Chairman
- Executive Director, Manitoba Cancer Treatment & Research Foundation

Dr. J. Foerster*
- Professor and Head, Department of Medicine, St. Boniface General Hospital

Dr. Helen Glass
- Professor of Nursing, University of Manitoba

Dr. K.R. Hughes*
- Associate Dean of Medicine, University of Manitoba

Dr. M.I. Hussain
- General Surgeon, Selkirk, Manitoba

Dr. A. Kristjanson*
- Professor of Sociology, University of Manitoba

Dr. J.P. Maclean
- Director of Nuclear Medicine, St. Boniface General Hospital

Dr. A. Naimark**
- President, University of Manitoba

Mr. D. Pascoe
- Director, Research and Planning Directorate, Manitoba Department of Health

Mr. R.K. Siddall
- Vice President and Secretary, The Great West Life Assurance Company

Dr. J.G. Wade**
- Dean of Medicine, University of Manitoba

* Members of the Executive and Finance Committee

** Appointed by the University of Manitoba

COUNCIL SECRETARIAT

Executive Director (Acting) - Dr. Frits C. Stevens

Administrative Secretary - Ms. Priscilla Loewen

REPORT

Although the Council has been operating provisionally under the auspices of the Research and Planning Directorate of the Manitoba Department of Health since December 1980, it was in June 1982 that the Act officially establishing the Manitoba Health Research Council was proclaimed. With the enactment of this legislation the eleven-member Council was established consisting of nine members appointed by the Lieutenant Governor in Council and two members appointed by the University of Manitoba. In August Dr. Frits C. Stevens was hired as part-time acting Executive Director and an office was established at 750 Bannatyne Avenue.

Council's 1982 grants competition considered applications for operating grants, equipment grants and direct personnel awards. The applications were subjected to peer review by Scientific Review Committees and in the case of operating grants these were also sent to reviewers outside Manitoba for evaluation. Council received 105 applications requesting a total of $2,236,725. Thirty-six grants totalling $570,559 were awarded. These grants support investigations in diverse areas of health research including cardiovascular and respiratory diseases, cancer, birth defects and learning disabilities in children, inherited metabolic disorders, immunological disease, gastrointestinal disease and community health problems such as drug abuse and addiction. At the request of the Minister of Health, the Manitoba Health Research Council also arranged and coordinated a site visit for the evaluation of a program project grant for the Rheumatic Disease Unit at the Health Sciences Centre.

Council has established a registry of health research funding in Manitoba and published the Reference List of Health Science Research in Manitoba for the years 1980 and 1981. The 1981 figures show that the total funding received by Manitoba health research workers from

international, national, provincial and local agencies was over 10 million dollars of which more than 8 million dollars came from sources outside the Province. Twenty percent of the 2 million dollars from Manitoba sources came through the Manitoba Health Research Council.

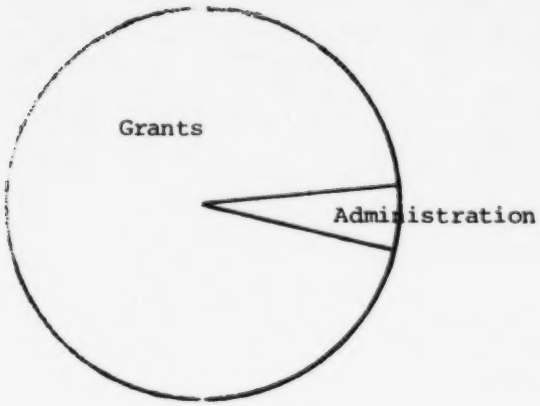
In an attempt to protect the future of health research in Manitoba, Council has targetted up to 30% of its budget to a program of Scholarship Awards and Establishment Grants designed to encourage young researchers. Council expects to phase these programs in over a period of three years starting with the 1983-84 financial year.

The financial statement and the lists of committees, grants and awards for 1982-83 follow.

* * *

1982-83

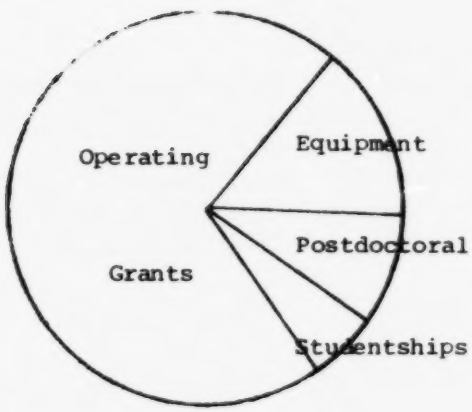
TOTAL EXPENDITURES



Administration: 5%

Grants :95%

GRANTS



Operating Grants :70.4%

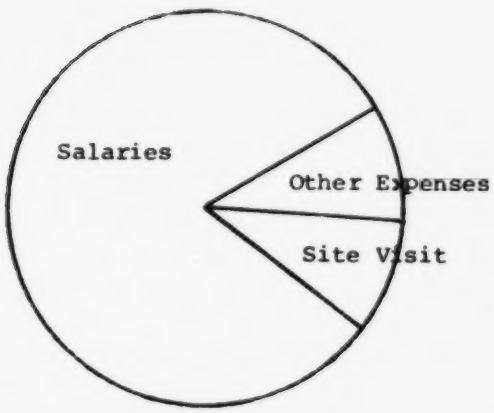
Postdoctoral Fellowships: 9.2%

Predoctoral Studentships: 5.8%

Equipment Grants :14.6%

100 %

ADMINISTRATION



Salaries :81%

Site Visit : 9%

Adm. Expenses:10%

100 %

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&Lybrand

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June 3, 1983

AUDITORS' REPORT TO THE MEMBERS OF COUNCIL
AND THE MINISTER OF HEALTH

We have examined the balance sheet of The Manitoba Health Research Council as at March 31, 1983 and the statement of expenses and surplus for the period August 15, 1982 to March 31, 1983. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the council as at March 31, 1983 and the results of its operations for the period August 15, 1982 to March 31, 1983 in accordance with generally accepted accounting principles.

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CHARTERED ACCOUNTANTS

THE MANITOBA HEALTH RESEARCH COUNCIL

BALANCE SHEET AS AT MARCH 31, 1983

	$
A S S E T S	
CASH	6,023
ACCOUNTS RECEIVABLE FROM THE PROVINCE OF MANITOBA - DEPARTMENT OF HEALTH	79,596
	85,619
L I A B I L I T I E S	
ACCOUNTS PAYABLE	1,071
SURPLUS	84,548
	85,619

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THE MANITOBA HEALTH RESEARCH COUNCIL

STATEMENT OF EXPENSES AND SURPLUS

FOR THE PERIOD AUGUST 15, 1982 TO MARCH 31, 1983

	$	$
OPERATING EXPENSES		
Salary and staff benefits	18,388	
Office equipment	1,363	
Travel	1,115	
Printing and stationary	962	
Telephone	185	
Postage and courier	147	22,160
SURPLUS TRANSFERRED FROM THE PROVINCE OF MANITOBA - DEPARTMENT OF HEALTH (note 2)	100,685	
REFUND OF PRIOR YEAR GRANTS	6,023	106,708
SURPLUS - END OF PERIOD		84,548

THE MANITOBA HEALTH RESEARCH COUNCIL

NOTES TO FINANCIAL STATEMENTS

FOR THE PERIOD AUGUST 15, 1982 TO MARCH 31, 1983

1. INCORPORATION

The Manitoba Health Research Council was established under Bill 37, Chapter 31, The Manitoba Health Research Council Act. The Act was assented to on June 30, 1982 by the Legislative Assembly of Manitoba, and by royal proclamation came into force effective August 15, 1982.

2. PRE-INCORPORATION OPERATIONS

Prior to the establishment of The Manitoba Health Research Council on August 15, 1982, grants for research were awarded by The Province of Manitoba - Department of Health. The income statement and statement of surplus of the research grant operations for the period April 1, 1982 to August 14, 1982 are as follows:

DEPARTMENT OF HEALTH RESEARCH GRANT OPERATIONS

STATEMENT OF REVENUE, EXPENSES AND SURPLUS

FOR THE PERIOD APRIL 1, 1982 TO AUGUST 14, 1982

	$	$
REVENUE		
Department of Health appropriation	600,000	
Manitoba Health Services Commission appropriation	100,000	
	700,000	
Appropriations lapsed	10,404	
NET APPROPRIATIONS		689,596
GRANTS AWARDED		
Approved in 1982/1983	570,559	
Approved in prior years	8,140	578,699
		110,897
OPERATING EXPENSES		
Salary and staff benefits	7,550	
Travel	1,704	
Printing and stationary	643	
Honoraria	450	
Telephone	310	
Postage and courier	240	10,897
SURPLUS FOR THE PERIOD		100,000
SURPLUS - BEGINNING OF PERIOD		685
SURPLUS TRANSFERRED TO THE MANITOBA HEALTH RESEARCH COUNCIL		100,685

OPERATING GRANTS

A. Scientific Review Committee

Dr. Henry G. Friesen, (Chairman), Department of Physiology, University of Manitoba.

Dr. J.F. Bruni, Department of Anatomy, University of Manitoba.

Dr. K-W.G. Cheng, Department of Physiology, University of Manitoba.

Ms. Pat Farrell, School of Nursing, University of Manitoba.

Dr. L.M. Jordan, Department of Physiology, University of Manitoba.

Dr. J. Kaufert, Department of Social and Preventive Medicine, University of Manitoba.

Dr. R.M. Martin, Department of Psychiatry, University of Manitoba.

Dr. P. Mitenko, Department of Pharmacology & Therapeutics, University of Manitoba.

Dr. F. Paraskevas, Department of Immunology, University of Manitoba.

Dr. W.F. Perry, Westman Regional Laboratory, Brandon, Manitoba.

Dr. A. Petkau, Medical Biophysics Branch, Atomic Energy of Canada, Pinawa, Manitoba.

Dr. E. Sabbadini, Department of Immunology, University of Manitoba.

Dr. J.W. Steele, Faculty of Pharmacy, University of Manitoba.

Dr. J.B. Sutherland, Department of Radiology, Health Sciences Centre.

Ms. Robin Tamblyn, Manitoba Association of Registered Nurses.

Dr. J.A. Wright, Department of Microbiology, University of Manitoba.

Dr. K. Wrogemann, Department of Biochemistry, University of Manitoba.

Dr. E.J. Zebrowski, Faculty of Dentistry, University of Manitoba.

B. LIST OF OPERATING GRANTS 1982-83

Investigator(s), Department, Institution Project Title	Award Amount
AOKI, F.Y., Medical Microbiology, U of M. GREENBERG, I.D., Radiology, U of M BILLINGHURST, M.W., Radiology, U of M LECOMTE, J., Virologie, Institut Armand-Frappier, U du Quebec Isotope labelled Monoclonal HSV-1 Antibodies for Brain Scanning in Experimental Herpes Simplex Encephalitis.	$25,000
BOLSTER, R.B., Psychiatry, U of M Cortical Control of Visual Attention.	7,000
BOND, R.B., Human Ecology, U of M Physical Health, Social Behaviour and Attitudes as Predictors of Mortality.	2,120
BOWNESS, J.M. & DOLYNCHUK, K.N., Biochemistry, U of M Early Biochemical Events in Wound Healing.	8,000
CHOI, N.W., Epidemiology & Biostatistics, Cancer Foundation Epidemiology Study of Diet and Pancreatic Cancer - A Pilot Study.	13,500
DAKSHINAMURTI, K., Biochemistry, U of M Characterization of Biotin Holocarboxylase Synthetase.	21,500
FOERSTER, J., Medicine, St. Boniface General Hospital Specific Removal with Immunoabsorbents of Circulating Anti-DNA Antibodies and Immune Complexes from Blood of Dogs with Systemic Lupus Erythematosus.	15,000
FRIESEN, H.G., Physiology, U of M Studies on the Structure of Rat Placental Lactogen Genes.	27,500
GUAY, D.R.P., Pharmacy, U of M In Vivo and In Vitro Study of the Adsorption of Diphenhydramine by Activated Charcoal.	6,725
HAMERTON, J.L., DONALD, L.J. & WANG, H., Pediatrics (Genetics), U of M Integration of selectable genes into mammalian cells.	35,000
HUDA, W. & PALSER, R., Medical Physics, Cancer Foundation CT Dosimetry.	19,260
JOHNSON, R.B., Dentistry, U of M Microdissection of bone and dentine by ultrasonification.	13,430

List of Operating Grants (Continued)

JORDAN, L.M., Physiology, U of M Programmer-analyst to develop new analysis techniques for the study of control of movement.	$23,483
KARIM, A.C., Dentistry, U of M The pathogenesis of osteodentin formation: A radioautographic and immunohistochemical study.	22,410
LOUIE, T.J., HOBAN, D.J. & PLUMMER, F.A., Medical Microbiology, U of M Aeromonas hydrophila in human diarrhea: A volunteer challenge study.	14,000
MCALPINE, P.J., Pediatrics (Genetics), U of M Development of lymphoblastoid cell lines.	18,450
ONYSHKO, S., Electrical Engineering, U of M SHWEDYK, E., Electrical Engineering, U of M JELL, R.M., Physiology, U of M IRELAND, D.J., Otolaryngology, U of M Development of a Dual Pathway Model of the Vestibulo-Ocular Reflex.	12,750
PATERSON, J.A., Anatomy, U of M TWEED, W.A., Anesthesia, U of M JORDAN, L.M., Physiology, U of M A Multi-User Facility for Neurohistochemistry.	19,000
PERSAUD, T.V.N., Anatomy, U of M Combined effects of alcohol and nicotine on fetal development.	14,000
PREWITT, R.M., Medicine, U of M Effects of alterations in afterload and inoptropic drugs on cardiopulmonary function in normal dogs and in dogs with respiratory failure.	12,000
RUSH, D.N., Nephrology, U of M Study of the factors that modulate the release of oxygen-derived metabolites (OM) by human monocytes, as measured by chemiluminescence assays; and a study of the effects of OM on *in vitro* lymphocyte proliferation.	23,460
SABBADINI, E.R., Immunology, U of M Regulation of immune responses by salivary gland factors.	26,000
WARRINGTON, R.J., Immunology, U of M Studies of the Pathogenesis of Immunoglobulin (IgA) Deficiency in Man.	22,349
	$401,937

PERSONNEL AWARDS AND EQUIPMENT GRANTS

A. Scientific Review Committee

Dr. F.C. Stevens (Chairman), Department of Biochemistry, University of Manitoba.

Dr. D.H. Bowden, Department of Pathology, University of Manitoba.

Dr. H. Duckworth, Department of Chemistry, University of Manitoba.

Dr. E.E. Faridy, Department of Physiology, University of Manitoba.

Dr. R.J. Hoeschen, Department of Internal Medicine, University of Manitoba.

Dr. F. LaBella, Department of Pharmacology & Therapeutics, University of Manitoba.

Dr. M. Novak, Department of Biology, University of Winnipeg.

Dr. A.R. Ronald, Department of Medical Microbiology, University of Manitoba.

Dr. B. Schacter, Department of Internal Medicine, University of Manitoba.

Dr. James L. Walker, Department of Psychology, Brandon University.

B. LIST OF PERSONNEL AWARDS 1982-83

Investigator (Supervisor), Department, Institution Project Title	Award Amount
POST-DOCTORAL FELLOWSHIPS	
GEIGER, J.D. (LaBella, F.S.), Pharmacology & Therapeutics U of M Cardiovascular Pharmacology and Neuropharmacology.	$17,000
RIDDELL, D.C. (Hamerton, J.L.), Pediatrics - Genetics, U of M Human Genetics.	14,167(Sept-July)
STONE, J.M. (Robertson, G.A.), Surgery, U of M Periosteal Osteoneogenesis.	21,500
	$52,667
STUDENTSHIPS	
DICK, J.E. (Wright, J.A.), Manitoba Institute of Cell Biology, U of M Biochemical Genetics.	$5,417(Sept-June)
KETTLER, J.J. (Jordan, L.M.), Physiology, U of M Neurophysiology.	6,500
KRISTJANSON, L.J. (Degner, L.), Nursing, U of M Community Health.	6,500
PACKER, C.S. (Stephens, N.L.), Physiology, U of M Smooth Muscle Physiology.	3,792(Dec-July)
SCOTT, G.C. (Wrogemann, K.), Biochemistry, U of M Medical Biochemistry.	6,500
SOUBRA, M.A. (Breitman, K. & Shalev, S.), Medical Physics, Manitoba Cancer Foundation Radiotherapy.	3,791(Sept-March)
	$32,500

C. LIST OF EQUIPMENT GRANTS 1982-83

BERCZI, I. & SABBADINI, E.R., Immunology, U of M Scintillation Counter.	$34,086
LABELLA, F.S., Pharmacology & Therapeutics, U of M HPLC Equipment.	11,747
PREWITT, R.M. & SUTHERLAND, J.B., Cardiology & Nuclear Medicine, Health Sciences Centre. Mobile gamma camera/computer system.	22,000
YAMADA, E.V.W., Biochemistry, U of M Dual beam, recording spectrophotometer with digital readout, Beckman Model 35.	15,622
	$83,455